

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A window for use in an adapter (3) for an IR gas analyser for the analysis of respiratory gases, where the gases flow through a through-penetrating passageway (9) in the adapter (3) with a window (8) disposed on mutually opposite sides of the passageway (9) so that an IR beam can be sent through the windows (8) and the passageway (9) containing said breathing gases, wherein the window (8) is a one-piece structure made of plastic material and having a round basic shape that includes a surrounding edge (8'') and a central part (8') which is sunken in relation to said edge (8'') and which constitutes the window through which the IR rays shall be able to pass, and a center part of the window (8) generally lies flush with an inner wall surface (7').

2. (currently amended) The window according to Claim 1, wherein the plastic material is a polyolefin, ~~preferably an HD polyethylene.~~

3. (previously presented) The window according to Claim 1, wherein the plastic material includes a surface tension modifying substance.

4. (previously presented) The window according to claim 1, wherein the window is formed by an injection moulding process.

5. (previously presented) The window according to claim 1, wherein the central part (8') of the window is arched in a direction away from the surrounding edge (8").

6. (previously presented) The window according to claim 1, wherein the window has been glued in a recess in a wall surrounding the through-penetrating passageway (9) in the adapter (3).

7. (previously presented) The window according to claim 1, wherein the window is fastened by ultrasound-welding or heat-welding in a recess in a wall surrounding the through-penetrating passageway (9) in the adapter (3).

8. (withdrawn) A method of producing a window in accordance with claim 1, comprising:

forming the window (8) by injection moulding a thermoplastic material in a mould in which injection of the plastic material

into the mould is effected centrally in the centre of the ultimate or forthcoming window.

9. (withdrawn) The method according to Claim 8, further comprising:

mixing a surface tension modifying substance in the thermoplastic material prior to the injection moulding process.

10. (withdrawn) The method according to Claim 8, wherein the injection moulding process is effected in a preheated mould tool.

11. (previously presented) The window according to Claim 2, wherein the plastic material includes a surface tension modifying substance.

12. (withdrawn) The method according to Claim 9, wherein the injection moulding process is effected in a preheated mould tool.

13. (new) The window according to Claim 2, wherein the plastic material is an HD polyethylene.

14. (new) An adapter (3) for an IR gas analyser for the analysis of respiratory gases, comprising:

a through-penetrating passageway (9) in the adapter (3); and two windows (8) disposed on mutually opposite sides of the passageway (9) so that an IR beam can be sent through the two windows (8) and the passageway (9) containing said breathing gases,

wherein each window (8) is a one-piece structure made of plastic material and having a round basic shape that includes a surrounding edge (8'') and a central part (8') which is sunken in relation to said edge (8'') and which constitutes the window through which the IR rays shall be able to pass, and a center part of each window (8) generally lies flush with an inner wall surface (7').

15. (new) The adapter (3) according to Claim 14, wherein the plastic material is a polyolefin.

16. (new) The adapter (3) according to Claim 14, wherein the plastic material includes a surface tension modifying substance.

17. (new) The adapter (3) according to Claim 14, wherein each window is formed by an injection moulding process.

18. (new) The adapter (3) according to Claim 14, wherein the central part (8') of each window is arched in a direction away from the surrounding edge (8").

19. (new) The adapter (3) according to Claim 14, wherein each window has been glued in a recess in a wall surrounding the through-penetrating passageway (9) in the adapter (3).

20. (new) The adapter (3) according to Claim 14, wherein each window is fastened by ultrasound-welding or heat-welding in a recess in a wall surrounding the through-penetrating passageway (9) in the adapter (3).